

Method of optical writing and reading on information carrier with high density storage

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Abstract

A method for the optical writing of information elements uses a material (Ma) that is highly non-linear optically, on which it is possible to record information elements with sizes several times smaller than the writing wavelength. Also disclosed is a method for the reading of information elements recorded on a material (Ma) deposited on a material (Mb) capable of being the site of a stimulated emission generating the reading of the recorded information elements. Applications: high definition television, digital sound.

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